

Samuele Pollaci

Updated May 24, 2023

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Ixelles 1050, Belgium

Research interests Knowledge Representation and Reasoning, Approximation Fixpoint Theory, Logic, Neural Network Theory

Education **Vrije Universiteit Brussels (VUB)** Brussels, Belgium
PhD in Computer Science June 2022 – Present
Mentors: Prof. Bart Bogaerts

Rheinische Friedrich-Wilhelms-Universität Bonn Bonn, Germany
M.Sc. in Mathematics, minor in Computer Science October 2019 – May 2022
Mentor: Prof Dr. Daniel Huybrechts and Dr. Emre Sertöz *Final grade: 1.6*

Università degli Studi di Genova (UNIGE) Genoa, Italy
B.Sc. in Mathematics September 2016 – September 2019
Mentor: Ass. Prof. Emanuela De Negri *Final grade: 110 cum laude*

Complementary education **University of Helsinki** online
Course: Elements of AI - Introduction to AI

Stockholms Universitet (SU) Stockholm, Sweden
Erasmus+ January 2019 – June 2019

IANUA - Scuola Superiore of Genoa University Genoa, Italy
Diploma in STSI (Science and Technologies for the Society of Information)
September 2017 – July 2019 (interrupted)
Completed exams: Nanotechnology and Nanomaterials, Space Exploration, Innovation Management, Economic Management and Business Plan, Decision Making, and Effective Communication.

Papers **Mathematical Foundations for Joining Only Knowing and Common Knowledge**
Cramer, M., Pollaci, S., Bogaerts, B.
conference paper in *KR 2023* (accepted)

Spurious Valleys and Clustering Behavior of Neural Networks
Pollaci, S.
conference paper in *ICML 2023* (accepted)

Multi-Objective Scheduling for Agricultural Interventions

Röpke, W., Pollaci, S., Vandenbogaerde, B., Li, J., Coppens, Y.
demo paper in *BNAIC/BeNeLearn 2022*

Talks and tutorials	Spin Structures January 2021 Graduate seminar on Dirac operators and spin geometry, Bonn University, Germany
	Sphere Bundles 20 May 2020 Graduate seminar on Differential Forms and Characteristic Classes, Bonn University, Germany
Teaching experience	Teaching assistant, Department of Computer Science (VUB) Fall 2022 Theory of Computation
	Teaching assistant, Department of Computer Science (VUB) Fall 2022 Discrete Modeling, Optimization, and Search
	Private tutor September 2016 – December 2018 Mathematics and Physics private tutor for high school students, and Mathematics private tutor for university students (mostly Calculus and Algebra).
Honors and scholarships	Most outstanding first-year students in Mathematics (UNIGE) 2017
	Albo Nazionale delle Eccellenze (INDIRE and MIUR) 2016 <i>National register of high-school graduates with 100 cum laude, certified by the National Institute for Documentation, Innovation and Educational Research (INDIRE), and the Minister of Education, Universities and Research (MIUR).</i>
Skills	Programming Familiar with: C, C++, Python, Latex.
	Languages Italian (native), English (fluent), Spanish (beginner), French (beginner)
Affiliations and memberships	AI Lab Brussels 2022 – Present
	Alumni Network of Bonn University 2022 – Present
	ISA-IANUA Students and Alumni 2017 – Present
	Mensa Italia - The High IQ Society 2017 – Present